

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

YOON, Jee Hong

Hannuri Bldg. 219 Naeja-dong, Chongno-gu, Seoul 110-053
Republic of Korea

PCT

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

(PCT Rule 43bis.1)

Date of mailing
(day/month/year) **28 APRIL 2005 (28.04.2005)**

Applicant's or agent's file reference

FE251553

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/KR2005/000141

International filing date (day/month/year)

14 JANUARY 2005 (14.01.2005)

Priority date(day/month/year)

15 JANUARY 2004 (15.01.2004)

International Patent Classification (IPC) or both national classification and IPC

IPC7 H04Q 7/34

Applicant

UTStarcom Korea Limited et al

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.
For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR



Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

PARK, Jin Seok

Telephone No. 82-42-481-5782



**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2005/000141

Box No. 1 Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing
☐ table(s) related to the sequence listing

b. format of material

- ☐ in written format
☐ in computer readable form

c. time of filing/furnishing

- ☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2005/000141

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-6	YES
	Claims		NO
Inventive step (IS)	Claims	2-5	YES
	Claims	1	NO
Industrial applicability (IA)	Claims	1-6	YES
	Claims		NO

2. Citations and explanations :

Reference is made to the following documents:

D1: US 5889470A (30 March 1999)

D2: 2002152294A1 (17 October 2002)

1. Novelty

Claims 1-6 are considered to be novel considering the available prior art, because the prior art does not involve any of the technical features as specifically set out in the claims of the present invention.

2. Inventive step

The subject matter of the present invention relates to the MIB (Management Information Base) structure that communicates between the NMS (Network Management System) and the NE (Network Element). This inventions consists of object-type tables, object-info tables, base-info tables, syntax tables and sequence-info tables.

D1 provides a constructed management information base that collect a plurality of object and assembles said plurality of objects. It also discloses object-type info, syntax integer and syntax sequence and various base-info tables.

D2 is concerned with a computer-implemented method and apparatus that represents system management information for components of the system as instances of object classes within a defined inheritance hierarchy. Pursuant to the embodiment in D2, the root class is represented in a Management Information Base (MIB) table with the classes at lower levels in the hierarchy being represented by respective extension tables.

Given the technical features in D1 and D2, claim 1 of the present invention can be anticipated by a person skilled in the art by combining the technical features disclosed in the cited documents. Consequently, claim 1 does not involve inventive step under Article 33(3) PCT.

3. Industrial applicability

Claims 1-6 meet the criteria of PCT Article 33(4) because the invention can be used in industry.